#### PATENT COOPERATION TREATY

#### INTERNATIONAL SEARCHING AUTHORITY PCT To: GERALD D. MALPASS, JR. EXXONMOBIL UPSTREAM RESEARCH COMPANY CORP-URC-SW348 WRITTEN OPINION OF THE P.O. BOX 2189 INTERNATIONAL SEARCHING AUTHORITY HOUSTON, TX 77252-2189 (PCT Rule 43bis.1) Date of mailing 2 JAN 2006 (day/month/year) FOR FURTHER ACTION Applicant's or agent's file reference See paragraph 2 below 2004UR013 International filing date (day/month/year) Priority date (day/month/year) International application No. PCT/US05/17363 17 May 2005 (17.05.2005) 20 May 2004 (20.05.2004) International Patent Classification (IPC) or both national classification and IPC IPC(7): E04G 21/00; E04B 5/00 and US Cl.: 52/745.02, 67, 79.1, 334, 284, 414, 270, 796.1, 794.1, 650.3 Applicant EXXONMOBIL UPSTREAM RESEARCH COMPANY 1. This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II **Priority** Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Certain defects in the international application Box No. VII Certain observations on the international application Box No. VIII 2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. 3. For further details, see notes to Form PCT/ISA/220. Name and mailing address of the ISA/ US Date of completion of this opinion Mail Stop PCT, Attn: ISA/US 21 December 2005 (21.12.2005) Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Telephone No. (571) 272-6848 Facsimile No. (571) 273-3201

Form PCT/ISA/237 (cover sheet) (April 2005)

From the

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US05/17363

	INTERNATIONAL SEARCH				
Box No.	Box No. I Basis of this opinion				
1. With regard to the language, this opinion has been established on the basis of:					
$\boxtimes$	the international application in the language in which it was filed				
	a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).				
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:					
a.	type of material				
	a sequence listing				
	table(s) related to the sequence listing				
ъ.	format of material				
	on paper				
	in electronic form				
с.	time of filing/furnishing				
	contained in the international application as filed.				
	filed together with the international application in electronic form.				
	furnished subsequently to this Authority for the purposes of search.				
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.				
4. Additional comments:					
1					

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/17363

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1. Statement  Novelty (N)	Claims 1-19	YES NO		

Inventive step (IS) Claims

 Claims
 1-19
 YES

 Claims
 20-25
 NO

Industrial applicability (IA)

 Claims
 1-25
 YES

 Claims
 NONE
 NO

### 2. Citations and explanations:

Claims 23-25 lack novelty under PCT Article 33(2) as being anticipated by US patent 4,282,619 to Rooney. Rooney discloses a roof panel comprising a steel truss structure (22-24, Figure 5), a steel barrier layer (50, Figure 5) placed atop the truss structure, and a concrete plate (51, Figure 5) placed over the barrier.

Claims 20-22 lack an inventive step under PCT Article 33(3) as being obvious over US Patent 6,673,412 to Ramesh et al. and US Patent 6,484,464 to Ochoa.

Ochoa discloses a panel comprising a concrete plate (10) and steel beam (12). While Ochoa does not disclose the finishing layers atop the concrete plate, it is well known in the art to finish a panel with insulating and covering materials of preference. For example, Ramesh et al. discloses placing a moisture barrier atop a concrete layer (column 1, lines 34-39) to prevent passage of water vapor. Furthermore, an insulation layer (12) and an uppermost metallic layer (17) are placed atop the moisture barrier.

Claims 1-7 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a containment system comprising a floor slab, a primary container positioned on the floor slab and a secondary container peripherally positioned around the primary container, the secondary container comprising a plurality of joined steel-concrete wall panels attached to the floor slab.

Claims 8-19 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a method of assembling a containment system by pouring a flat slab, erecting a secondary container with an end wall and two side walls, moving a primary container into the secondary container, and erecting a second end wall to enclose the primary container.

Claims 1-25 meet the criteria set out in PCT Article 33(4), and thus claims 1-25 meet industrial applicability because the subject matter claimed can be made or used in industry.

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

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Box No. VIII Certain observations on the international application					
The following observations on the clarity of the claims, description, and drawings or on the questions whether the claims are fully supported by the description, are made:					
Claim 23 is objected to under PCT Rule 66.2(a)(v) as lacking clarity under PCT Article 6 because claim 23 is indefinite for the following reason(s): In line 2, "the wall" should probably be the roof					